

Specification Amendment

Please amend the paragraph starting at page 7, line 20 as follows:

With switch 615 closed, the output of the acquisition memory 610 passes to a display memory 622 that stores the acquisition memory 610 output. The contents of the display memory 622 are employed to generate a waveform display on a raster scan display device 626. The processor ~~618~~ 616 may provide additional information, such as the amplification factor and a waveform time-base to the display memory 622 for display. After the display memory 622 has stored the output of the acquisition memory 610 the processor ~~618~~ 616 causes switch 615 to open and switch 608 to close. Additionally, the processor ~~618~~ 616 causes switches 612, 613, and 614 to connect the acquisition memory 610 back to the floating power supply 611 voltages +F and -F and to the user ground 604. It should be understood that the earth grounded power supply 618 supplies power to the display 626, to the processor 618 and to the display memory 622. Furthermore, the processor ~~618~~ 616 causes the various switches to switch in a break-before-make fashion. In one embodiment, instead of mechanical switches high-voltage FET switches are used (see Figure 3). All devices that are directly connected to the earth grounded power supply 618 and to earth ground 617 can be generically referred to as an instrumentation network.

Below is a clean copy of the above-amended paragraph:

With switch 615 closed, the output of the acquisition memory 610 passes to a display memory 622 that stores the acquisition memory 610 output. The contents of the display memory 622 are employed to generate a waveform display on a raster scan display device 626. The processor 616 may provide additional information, such as the amplification factor and a waveform time-base to the display memory 622 for display. After the display memory 622 has stored the output of the acquisition memory 610 the processor 616 causes switch 615 to open and switch 608 to close. Additionally, the processor 616 causes switches 612,

613, and 614 to connect the acquisition memory 610 back to the floating power supply 611 voltages +F and -F and to the user ground 604. It should be understood that the earth grounded power supply 618 supplies power to the display 626, to the processor 618 and to the display memory 622. Furthermore, the processor 616 causes the various switches to switch in a break-before-make fashion. In one embodiment, instead of mechanical switches high-voltage FET switches are used (see Figure 3). All devices that are directly connected to the earth grounded power supply 618 and to earth ground 617 can be generically referred to as an instrumentation network.